

Weekly report (2012.12.17~12.23)

Done

- 1) last time when I tried stitching the result of partitioning(cause partition is processing in a parallel manner), I used one pixel overlap and I think the situation should like that shown in Figure 1, that is, different segments of the same part should share the same boundary. Unfortunately, it's usually not the case.

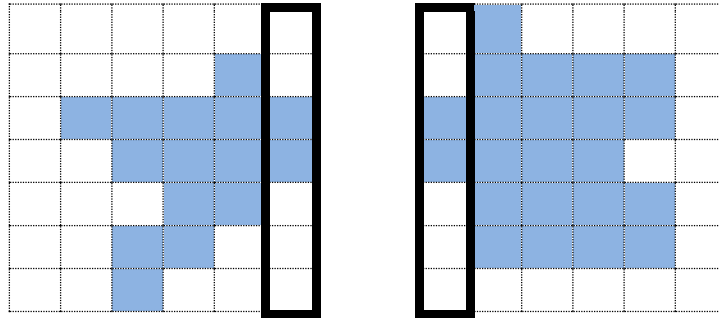


Figure 1

So I changed my method. As shown in Figure 2, different segments of the same part are not supposed to have the same boundary but may only have overlap in the boundary.

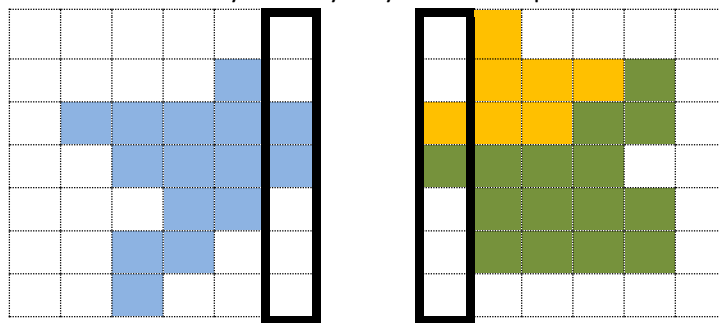
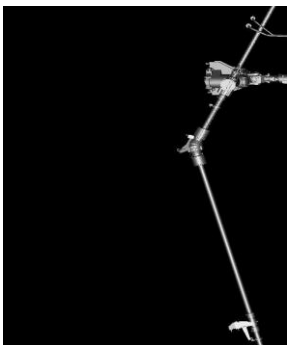
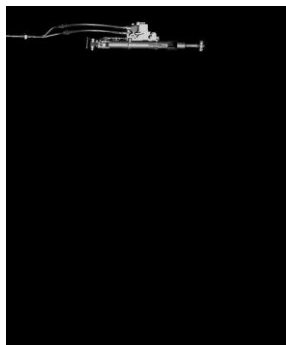


Figure 2

This week, I tested the idea, result is shown below. a) is from segment239, b)c) is from segment240, they are considered by my implementation to come from the same part. d) is the stitching result, it looks correct.



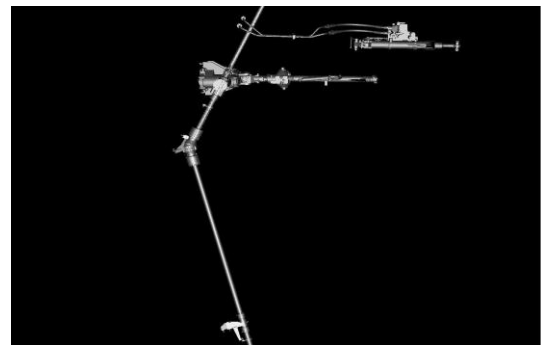
a)



b)



c)



d)

I found some corresponding pixels don't have the same depth, maybe caused by cumulative error, I'll look into it.

To Do

- 1) Continue verify the stitch method.

- 2) The data of boeing777 is well organized and primitives are well distinguished in the ".obj" file. Cause I can't find a good way to do the partition, next week, I might going to do some experiment based on these information.